

2-10-05

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PTO/SB/21 (08-03)

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/786,451
Filing Date	02/24/2004
First Named Inventor	Tilton
Art Unit	2836
Examiner Name	
Total Number of Pages in This Submission	7
Attorney Docket Number	ISR-193

### ENCLOSURES (Check all that apply)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
| <input type="checkbox"/> Fee Attached  | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                    |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              |   |
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| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s)                              |   |
| <input type="checkbox"/> Response to Missing Parts/ Incomplete Application   |   |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paul A. Knight
Signature	
Date	02/08/2005

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

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Typed or printed name	Paul A. Knight
Signature	
Date	02/08/2005

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Docket No.: ISR-193

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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

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Invention: **Etched Open Microchannel Spray Cooling** )  
Serial No.: **10/786,451** )  
Filed: **02/24/2004** )  
Inventor: **Tilton et al.** )  
Group Art Unit: **2836** )  
Agent / Attorney: **Paul A. Knight** )

To: **Commissioner of Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

Please find included Form PTO/SB/08A listing documents for the Examiner to consider during examination of the above-stated patent application.

Respectfully submitted,

Paul A. Knight  
Registered Patent Agent  
2218 North Molter Road  
Liberty Lake, WA 99019

02/08/2005

Date

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E-mail: [pknightspraycool.com](mailto:pknightspraycool.com)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Invention: **Etched Open Microchannel Spray Cooling** )  
Serial No.: **10/786,451** )  
Filed: **02/24/2004** )  
Inventor: **Tilton et al.** )  
Examiner: **Unknown** )  
Group Art Unit: **2836** )  
Agent / Attorney: **Paul A. Knight** )  
Docket: **ISR-193** )

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner of Patents and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sirs:

With regard to the above identified application, pursuant to 37 C.F.R. §§ 1.56, the documents listed on the enclosed Form PTO/SB/08A are brought to the attention of the Examiner. No representation is made that these documents are analogous art or material to the patentability of the invention. In accordance with 37 C.F.R. § 1.104, no representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103. Moreover, no representation is made that the attached documents have been thoroughly reviewed or that any relevance of any portion of a document is intended.

The disclosure statement should not be construed as a representation that a search has been made or that other material information as defined by 37 C.F.R. § 1.56(a) exists. It is believed that this disclosure complies with the requirements of 37 C.F.R §§ 1.56, 1.97 and 1.98, and the Manual of Patent Examination Procedures § 609. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

Applicant reserves the right to present to the USPTO the relevant facts and law to support the listed documents are not "prior art" (e.g. pursuant to 37 C.F.R § 1.131 or otherwise), that the listed documents are not "material" to the patentability of the present invention and that the present invention is patentable over the listed documents.

A copy of each document is enclosed. Some of the documents may have markings; no significance is meant to be attached to the markings.

Consideration of the documents is respectfully requested. Pursuant to the provisions of MPEP 609, it is requested that the Examiner return a copy of the attached Form PTO/SB/08A, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

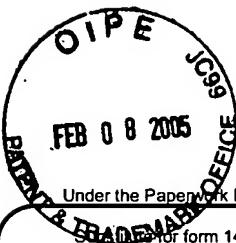
Respectfully submitted,

Paul A. Knight

Paul A. Knight (Reg. No. 53,144)

02-08-2005

Date



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STANLEY TRADEMARK  
for form 1449/PTOINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of 3

## Complete if Known

Application Number	10/786,451
Filing Date	02-24-2004
First Named Inventor	Tilton
Art Unit	2836
Examiner Name	
Attorney Docket Number	ISR-193

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
A	US- 6,667,548 B2		12-23-2003	O'Connor et al.	
B	US- 6,650,542 B1		11-18-2003	Chrysler et al.	
C	US- 6,604,370 B2		08-12-2003	Bash et al.	
D	US- 4,352,392		10-05-1982	Eastmam	
E	US- 6,580,610 B2		06-17-2003	Morris et al.	
F	US- 6,205,799 B1		03-27-2001	Patel et al.	
G	US- 5,718,117		02-17-1998	McDunn et al.	
H	US- 6,612,120 B2		09-02-2003	Patel et al.	
I	US- 5,675,472		10-07-1997	McDunn et al.	
J	US- 5,924,482		06-20-1999	Edwards et al.	
K	US- 5,768,103		06-16-1998	Kobrinetz et al.	
L	US- 6,571,569 B1		06-03-2003	Rini et al.	
M	US- 5,247,426		09-21-1993	Hamburgen et al.	
N	US- 6,550,263 B2		04-22-2003	Patel et al.	
O	US- 6,349,554 B2		02-26-2002	Patel et al.	
P	US- 5,959,351		09-28-1999	Sasaki et al.	
Q	US- 6,108,201		08-22-2000	Tilton et al.	
R	US- 5,183,104		02-02-1993	Novotny	
S	US- 5,220,804		06-22-1093	Tilton et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/786,451
		Filing Date	02-24-2004
		First Named Inventor	Tilton
		Art Unit	2836
		Examiner Name	
Sheet	12	of	13
		Attorney Docket Number	ISR-193

**U. S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature \_\_\_\_\_ Date Considered \_\_\_\_\_

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/786,451
Sheet	3	of	3	Filing Date	02-24-2004
				First Named Inventor	Tilton
				Art Unit	2836
				Examiner Name	
				Attorney Docket Number	ISR-193

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	A1	BASH et al, Inkjet Assisted Spray Cooling of Electronics, ASME IPACK03 - International Electronics Packaging Technical Conference and Exhibition, July 6-11,2003, Maui, Hawaii			
	A2	Tilton, Spray Cooling, Doctorial Dissertation - University of Kentucky, Lexington, Kentucky, 1989			

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
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